

Claims: What is claimed is:

1. A redundant wireless network link, which comprises
 - (a) A dual channel redundant wireless networking SE with two wireless networking radio unit,
 - (b) A dual channel redundant wireless networking CE with two wireless networking radio unit,
 2. the said SE and said CE of claim 1, communicate to each other form a redundant wireless networking link,
 3. the said SE has two of its wireless networking radio unit working simultaneously,
 4. the said CE of the claim 1 only has one of the its wireless networking radio unit communicating to the said SE, and the other one of its wireless networking radio unit will take over the communication with the said SE when the first link is failed.
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5. A method of redundant wireless link comprising:
 - providing a redundant wireless networking SE and ready to communicate with two wireless networking channels to remote CEs.
 - setting up the said CE to communicate with said SE in one channel,
 - running the link quality monitoring software program in CE, when link quality monitoring system detected the link quality is below requirement or the link is out of work,
 - switching the CE to work with the second wireless networking channel and communicate to the second channel of the said SE, communicating the CE continually with said SE, thus to keep the two network behind the said SE and said CE linked together without fail.